

LF510



- [Print Specifications](#)

Dimensions: [US](#) | [METRIC](#)

Engine

Type	Kubota® D1105E 3-cylinder, liquid cooled, low-emissions certified diesel
Rated Horsepower	18.6 kW @ 3000 rpm
Emissions Level	EPA Tier 4 Final (EU Stage IIIA)
Displacement	1.12 L
Air Cleaner	Dry cartridge type with evacuator, valve and service indicator
Cooling System	Pressurized, sealed cooling system
Lubrication	Fully pressurised
Fuel Capacity	64.4 L
Oil Filter Type	Full-flow, replacement spin-on type
Electrical System	0.8 kW starter; 40 amp alternator/regulator

Speed (Maximum)

Mowing	12.9 km/h
Transport	16 km/h
Reverse	6.4 km/h

Traction and Drive

Traction System	Variable displacement, hydrostatic pump with 2 high-torqued wheel motors; 4WD models: SureTrac™ parallel-cross-series traction system
Reel Drive	Gear pump with quick disconnect (FlashAttach) coupled reel motors, solenoid controlled mow valve; backlapping standard. Mow Speed Limiter: Foot Activated Lever
Hydraulic System	53 L capacity; oil monitor with low-oil alarm standard
Reel Lift	Joystick control, one-touch lift/lower control for all five reels
Hydraulic Cooling	Hydraulic oil cooler; large-volume, full-flow 10 micron filter

Tires, Brakes, and Steering

Front Tires	26.5 x 14.0-12 tubeless
Rear Tires	20.0 x 10.0-8 tubeless
Brakes	Dynamic, through-traction system
Parking Brake	Automatic wet park brake integrated in front wheel motors; engage switch on control console
Ground Pressure	0.7 kg/cm ²
Steering	Rear-wheel, hydrostatic power steering

Reels and Blades

Number and Size	Five 12.7 cm diameter x 55.9 cm
Number of Blades	7 heavy section fairway blades
Cutting Frequency	7 blade: 1.88 mm/km/h
Overall Cutting Width	2.54 m
Height-of-Cut Range (Depending on turf condition, reel wear and bedknife installed)	9.5-19.0 mm Available high-cut kit raises cutting height to 30.2 mm

Controls

Diagnotics: Onboard electronic control module with light-emitting diode display and alarms for aid in diagnostics.

Gauges: Fuel gauge, hour meter, and indicator warning lights: diagnostics list, glow plug indicator high engine coolant temperature, engine oil pressure, and battery voltage.

Weight and Dimensions

Weight with Reels Up	2WD without ROPS: 1177 kg 2WD with ROPS: 1242 kg 4WD: 1278 kg All weights are with full fluids
Weight with Reels Down	2WD without ROPS: 893 kg 2WD with ROPS: 970 kg 4WD: 995 kg All weights are with full fluids, weight at tires for ground pressure
Length (less catchers)	2.74 m
Height	2.23 m with ROPS; 1.49 m to top of steering wheel ROPS optional for 2WD, application specific. 4WD: ROPS standard with seat belt.
Width	2.92 m Transport: 2.2 m